Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A vital sign display device for displaying a vital sign, comprising:

means for obtaining a biological signal;

means for determining whether a living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

means for displaying a vital sign obtained from the biological signal, the vital sign showing determination results from the determining means, wherein the vital sign ~~is arranged in time series that allows to provide history of the vital sign.~~ shows in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not.

2. (Currently Amended) A computer readable medium having stored thereon a computer program for a vital sign display device that displays a vital sign, wherein the program is implemented in a computer and capable of causing the computer to perform:

means for obtaining a biological signal;

means for determining whether a living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

means for displaying a vital sign obtained from the biological signal, the vital sign showing determination results from the determining means, wherein the vital sign ~~is arranged in time series that allows to provide history of the vital sign.~~ shows in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not.

3. (Currently Amended) ~~A vital sign display device~~Means for

displaying a vital sign, comprising:

means for obtaining a biological signal or a signal generated from the biological signal; and

means for displaying a vital sign, obtained from the~~a~~ biological signal or the~~a~~ signal generated from the biological signal, wherein the vital sign ~~is arranged in time series that allows to provide history of the vital sign.~~shows in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not.

4. (Previously Presented) The device according to claim 1, wherein the vital sign is displayed so as to follow a circular shape according to the time series of the vital sign.

5. (Currently Amended) A vital sign display device for displaying a vital sign, comprising:

means for obtaining a biological signal;

means for determining whether a living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

means for displaying a vital sign obtained from the biological signal, ~~the vital sign showing determination results from the determining means,~~ the vital sign showing in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not, wherein the display is executed by moving a display object in the direction to draw a circular shape according to time series of the vital sign.

6. (Previously Presented) The device according to claim 1, further comprising means for selecting display styles, wherein an entire display period corresponding to a scheduled measurement period.

7. (Previously Presented) The device according to claim 1, further comprising means for displaying an item name of vital sign, wherein the vital sign item name displaying means displays the item name by relating the item name to the displayed vital sign.

8. (Previously Presented) The device according to claim 1, wherein a

display style of vital sign is changed to another style when the abnormal condition occurs.

9. (Previously Presented) The device according to claim 1, wherein the vital sign is at least one of VPC (ventricular premature contraction), HR (heart rate), QT interval, and SpO_2 value (oxygen saturation in blood).

10. (Currently Amended) In vital sign display device, a method for displaying a vital sign, comprising:

obtaining a biological signal;

determining whether a living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

instructing to display a vital sign obtained from the biological signal, ~~the vital sign showing determination results,~~ the vital sign showing in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not, wherein the vital sign is arranged in time series that illustrates a history of the vital sign.

11. (Currently Amended) In vital sign display device, a method for displaying a vital sign, comprising:

instructing to display a vital sign, obtained from a biological signal or a signal generated from the biological signal, the vital sign showing in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not, wherein the vital sign is arranged in time series that illustrates a history of the vital sign.

12. (Currently Amended) In vital sign display device, a method for displaying a vital sign, comprising:

obtaining a biological signal;

determining whether living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

instructing to display a vital sign obtained from the biological signal, the vital sign ~~showing determination results, wherein the display is executed by moving a display object in the direction of following a circular shape according to time series of the vital sign.~~ showing in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not.

13. (Currently Amended) A vital sign displayed object representing a vital sign, wherein the vital sign displayed object represents a vital sign obtained from a biological signal, wherein the vital sign ~~is arranged in time series that illustrates a history of the vital sign.~~ shows in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not.

14. (Currently Amended) A method for displaying a vital sign comprising the steps of:

obtaining a biological signal;

determining whether a living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

displaying a vital sign obtained from the biological signal, the vital sign showing in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not, ~~showing determination results,~~ wherein the vital sign is arranged in time series that illustrates a history of the vital sign.

15. (Currently Amended) A method for displaying a vital sign comprising the steps of:

obtaining a biological signal;

determining whether living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

displaying a vital sign obtained from the biological signal, the vital sign showing in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not, ~~showing determination results from the determining means,~~ wherein the display is executed by moving a display object in the direction of following a circular shape according to time series of the vital sign.

16. (Currently Amended) A vital sign display device comprising:

a communication interface ~~adapted to receive~~that receives a biological signal;

a processor adapted to determine, based on the obtained biological signal, whether a body condition represented by the biological signal is abnormal; and

a display system ~~adapted to display~~that displays in a historical time series a

status of the vital sign based on the biological signal, the vital sign ~~indicating whether the condition is abnormal.~~ showing in a circular shaped time series configuration whether the living body condition represented by the biological signal is abnormal or not.

17. – 18. (Cancelled)

19. (New) A vital sign display device in accordance with Claim 1, wherein the circular shape is a shape around which one can make a circuit.

20. (New) A vital sign display device in accordance with Claim 1, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

21. (New) A computer readable medium in accordance with Claim 1, wherein the circular shape is a shape around which one can make a circuit.

22. (New) A computer readable medium accordance with Claim 1, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

23. (New) A vital sign display device in accordance with Claim 3, wherein the circular shape is a shape around which one can make a circuit.

24. (New) A vital sign display device in accordance with Claim 3, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

25. (New) A vital sign display device in accordance with Claim 5, wherein the circular shape is a shape around which one can make a circuit.

26. (New) A vital sign display device in accordance with Claim 5, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round

shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

27. (New) A method for displaying a vital sign in accordance with Claim 10, wherein the circular shape is a shape around which one can make a circuit.

28. (New) A method for displaying a vital sign in accordance with Claim 10, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

29. (New) A method for displaying a vital sign in accordance with Claim 11, wherein the circular shape is a shape around which one can make a circuit.

30. (New) A method for displaying a vital sign in accordance with Claim 11, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

31. (New) A method for displaying a vital sign in accordance with Claim 12, wherein the circular shape is a shape around which one can make a circuit.

32. (New) A method for displaying a vital sign in accordance with Claim 12, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

33. (New) A vital sign displayed object in accordance with Claim 13, wherein the circular shape is a shape around which one can make a circuit.

34. (New) A vital sign displayed object in accordance with Claim 13, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

35. (New) A method for displaying a vital sign in accordance with Claim

14, wherein the circular shape is a shape around which one can make a circuit.

36. (New) A method for displaying a vital sign in accordance with Claim 14, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

37. (New) A method for displaying a vital sign in accordance with Claim 15, wherein the circular shape is a shape around which one can make a circuit.

38. (New) A method for displaying a vital sign in accordance with Claim 15, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

39. (New) A vital sign display device in accordance with Claim 16, wherein the circular shape is a shape around which one can make a circuit.

40. (New) A vital sign display device in accordance with Claim 16, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.

41. (New) A graphical user interface in accordance with Claim 17, wherein the circular shape is a shape around which one can make a circuit.

42. (New) A graphical user interface in accordance with Claim 17, wherein the circular shape is one selected from a loop shape, ring shape, circle shape, round shape, oval shape, doughnut shape, annular shape and polygonal shape formed by straight lines, curves or a combination of straight lines and curves.